

Converting Colors

$Y_{xy}(21.9427, 0.2832, 0.4200)$

Have a look what the booklet for
Yxy(21.9427, 0.2832, 0.4200)
contains.

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Color

Yxy(21.9427, 0.2832, 0.4200)

Conversions

Conversions Part 1

Format	Color
Hex	488F64
RGB	72, 143, 100
RGB Percent	28%, 56%, 39%
CMY	0.7175, 0.4392, 0.6079
CMYK	0.50, 0.00, 0.30, 0.44
HSL	144°, 33%, 42%
HSV	144°, 50%, 56%
XYZ	14.7956, 21.9427, 15.5062
YIQ	116.8690, -28.5130, -28.4250

Conversions

Conversions Part 2

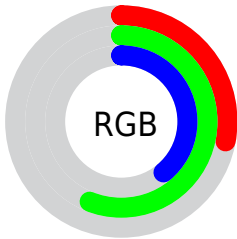
Format	Color
R_{YB}	72, 123, 143
Decimal	4755300
CIE _{Lab}	53.97, -32.61, 16.19
CIE _{LCh}	54, 36.407, 153.598
Yxy	21.9427, 0.2832, 0.4200
Android (android.graphics.Color)	4282945380 (0xFF488F64)
YUV	116.8690, -8.3164, -39.3501
Hunter-Lab	46.8430, -25.5950, 13.1637

Details

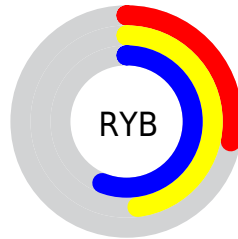
The Yxy color **21.9427, 0.2832, 0.4200** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.7168, 0.3634, 0.2543**, and the grayscale version is **17.7810, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5268, 0.2907, 0.3977**, and **8.0047, 0.2685, 0.4621** is the 20% darker color. If you saturate the color by 10%, you get **21.2972, 0.2796, 0.4426**, and if you desaturate by 10%, it is **22.7357, 0.2880, 0.3985**.

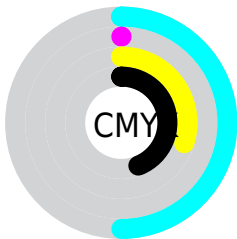
Distribution



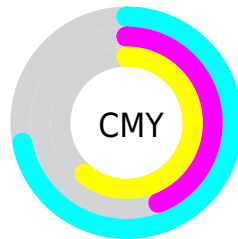
- Red (28%)
- Green (56%)
- Blue (39%)



- Red (28%)
- Yellow (48%)
- Blue (56%)



- Cyan (50%)
- Magenta (0%)
- Yellow (30%)
- Black (44%)



- Cyan (72%)
- Magenta (44%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9427, 0.2832, 0.4200 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 21.9427, 0.2832, 0.4200 by changing the saturation by 10% instead.


 21.9427, 0.2832,
0.4200

 21.9427, 0.2832,
0.4200


262.2469, 0.3011,
0.3663


 13.8148, 0.2773,
0.4372


 46.6513, 0.2907,
0.3980


 7.9920, 0.2684,
0.4621


 64.0007, 0.2931,
0.3905


 4.0898, 0.2540,
0.5015

 85.1929, 0.2951,
0.3845

 1.7239, 0.2284,
0.5846

 110.6120, 0.2967,
0.3796

 0.4391, 0.0000,
1.0000

 140.6426, 0.2981,
0.3755

 0.0000, 0.0000,
0.0000

175.6690, 0.2992,

0.3719

216.0756, 0.3002,
0.3689

■ 21.9427, 0.2832,
0.4200

■ 21.9427, 0.2832,
0.4200

■ 21.2972, 0.2796,
0.4426

■ 22.7357, 0.2880,
0.3985

■ 20.7871, 0.2774,
0.4656

■ 23.6822, 0.2936,
0.3784

■ 20.4023, 0.2769,
0.4884


■ 24.7910, 0.2998,
0.3600

■ 20.1305, 0.2782,
0.5101

■ 26.0696, 0.3063,
0.3433

■ 19.9404, 0.2807,
0.5301

■ 27.5248, 0.3130,
0.3285

 19.9338, 0.2808,
0.5308

 29.1634, 0.3196,
0.3153

 30.9913, 0.3260,
0.3037

 33.0147, 0.3322,
0.2935

 35.2390, 0.3382,
0.2846

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



21.9427, 0.3465, 0.4486



21.9427, 0.2832, 0.4200



21.9427, 0.2311, 0.3573

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



21.9427, 0.2832, 0.4200



21.9427, 0.2224, 0.2288



21.9427, 0.4374, 0.3453

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



21.9427, 0.2832, 0.4200



11.7168, 0.3634, 0.2543

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



21.9427, 0.3973, 0.2972



21.9427, 0.2832, 0.4200



21.9427, 0.2691, 0.2332

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



21.9427, 0.2832, 0.4200



21.9427, 0.1995, 0.2477



21.9427, 0.3332, 0.2576



21.9427, 0.4386, 0.3945

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



21.9427, 0.2832, 0.4200



21.9427, 0.2088, 0.3123



21.9427, 0.3332, 0.2576



21.9427, 0.4280, 0.3287

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



21.9436, 0.2832, 0.4200



45.3462, 0.3026, 0.3526



23.8123, 0.3510, 0.4601



10.3019, 0.3014, 0.3558



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.9436, 0.2832, 0.4200



37.9739, 0.2791, 0.4463



22.7653, 0.2555, 0.3452



6.0624, 0.3066, 0.3426



17.6290, 0.2805, 0.5299



0.1727, 0.2573, 0.4464

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



11.7168, 0.3634, 0.2543



17.3750, 0.3811, 0.2394



11.0616, 0.4297, 0.3146



5.4755, 0.3193, 0.3157



5.7714, 0.4475, 0.2239



0.0595, 0.3799, 0.1866

Previews

White Background



This preview shows how the Yxy color 21.9427, 0.2832, 0.4200 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 21.9427, 0.2832, 0.4200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

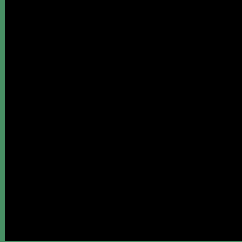
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.9427, 0.2832, 0.4200

Background



This preview shows how black text looks on a background with the Yxy color 21.9427, 0.2832, 0.4200.



This preview shows how white text looks on a background with the Yxy color 21.9427, 0.2832, 0.4200.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

21.9427, 0.2832, 0.4200

Protanopia

21.6319, 0.3650, 0.3913

Deuteranopia

21.5550, 0.3685, 0.3615



Tritanopia

21.9143, 0.2522, 0.3079

Trichromacy



Original Color

21.9427, 0.2832, 0.4200

Protanomaly

21.1970, 0.3298, 0.4009

Deuteranomaly

21.0095, 0.3315, 0.3803

Tritanomaly

21.8094, 0.2630, 0.3448

Monochromacy



Original Color

21.9427, 0.2832, 0.4200

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

18.8361, 0.2997, 0.3596

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9427, 0.2832, 0.4200 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(72, 143, 100)` looks like.

```
.text, #text, p{  
    color:rgb(72, 143, 100)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(72, 143, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 143, 100) }
```

Border

The CSS property to change the border of an element to Yxy 21.9427, 0.2832, 0.4200 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(72, 143, 100) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(72, 143, 100) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(72, 143, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 143, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 143, 100);  
box-shadow:4px 4px 4px 4px rgb(72, 143,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9427, 0.2832, 0.4200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 143, 100) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(72, 143,  
100) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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